

Patent Abstracts of Japan

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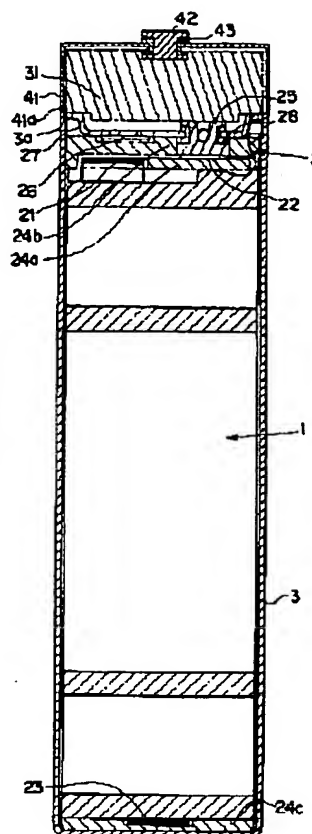
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TITLE : NONAQUEOUS ELECTROLYTE  
SECONDARY BATTERY



ABSTRACT : PURPOSE: To provide a nonaqueous electrolyte secondary battery having a control circuit part for suppressing an overdischarge, overcharge, overcurrent, etc., of a battery in the minimum size, by firmly connecting an accessory vessel, receiving the control circuit part, to part of an external wall of a battery vessel.

CONSTITUTION: A battery is constituted of a generating element (electrode laminated unit) 1, battery vessel 3 for receiving this generating element 1, control circuit part 31 for controlling a battery current and voltage and an accessory vessel 41 for receiving this control circuit part 31. The accessory vessel 41 is fixedly connected to part of an external wall of the battery vessel 3, to electrically connect a battery electrode terminal to the control circuit part 31 in the accessory vessel 41. A sectional shape of each connecting surface of the battery vessel 3 and the accessory vessel 41 is formed in almost the same shape (example; connecting surface 3a and 41a). Accordingly, by forming an appearance shape almost similar to that with only the battery vessel 3, a very simple and compact shape is obtained, to integrally form the battery vessel 3 and the accessory vessel 41.

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